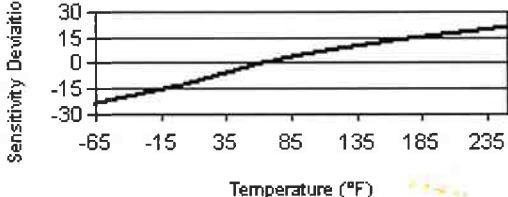


Model Number 604B61	INDUSTRIAL ICP® ACCELEROMETER			Revision: A ECN #: 29745
Performance	ENGLISH	SI		OPTIONAL VERSIONS
Sensitivity(± 20 %)	100 mV/g	10.2 mV/(m/s ²)	[2]	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.
Measurement Range	± 50 g	± 490 m/s ²		
Frequency Range(± 3 dB)	30 to 300,000 cpm	0.5 to 5000 Hz	[3]	CS - Canadian Standards Association Approved Intrinsically Safe [8]
Resonant Frequency	600 kcpm	10 kHz	[1]	
Broadband Resolution(1 to 10,000 Hz)	350 µg	3434 µm/sec ²	[1]	M - Metric Mount Supplied Accessory : Model M081A68 Captive mounting bolt M6 x 1 (1)
Non-Linearity	± 1 %	± 1 %	[4]	
Transverse Sensitivity	≤ 5 %	≤ 5 %		
Environmental				
Overload Limit(Shock)	5000 g pk	49,050 m/s ² pk		
Temperature Range	-65 to +250 °F	-54 to +121 °C		
Temperature Response	See Graph	See Graph	[1]	
Enclosure Rating	IP68	IP68		
Electrical				
Settling Time(within 1% of bias)	≤ 2.0 sec	≤ 2.0 sec		NOTES: [1] Typical. [2] Conversion Factor 1g = 9.81 m/s ² . [3] The high frequency tolerance is accurate within ±10% of the specified frequency. [4] Zero-based, least-squares, straight line method. [5] 1/4-28 has no equivalent in S.I. units. [6] Twisted shielded 4-conductor cable. [7] See PCB Declaration of Conformance PS023 for details. [8] Division 1; Class I; Group C & D; Temperature Code T4
Discharge Time Constant	≥ 0.3 sec	≥ 0.3 sec		
Excitation Voltage	18 to 28 VDC	18 to 28 VDC		
Constant Current Excitation	2 to 20 mA	2 to 20 mA		
Output Impedance	<150 ohm	<150 ohm		
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC		
Spectral Noise(10 Hz)	8 µg/√Hz	78.5 (µm/sec ²)/√Hz	[1]	
Spectral Noise(100 Hz)	5 µg/√Hz	49.1 (µm/sec ²)/√Hz	[1]	
Spectral Noise(1 kHz)	4 µg/√Hz	39.2 (µm/sec ²)/√Hz	[1]	
Electrical Isolation(Case)	>10 ⁸ ohm	>10 ⁸ ohm		
Physical				
Size (Diameter x Height)	1.38 in x 1.00 in	35.1 mm x 25.4 mm		
Weight(without cable)	4.4 oz	124 gm		
Mounting Thread	1/4-28 Male	Not Applicable	[5]	
Mounting Torque	2 to 5 ft-lb	2.7 to 6.8 N-m		
Sensing Element	Ceramic	Ceramic		
Sensing Geometry	Shear	Shear		
Housing Material	Stainless Steel	Stainless Steel		
Sealing	Welded Hermetic	Welded Hermetic		
Electrical Connector	Integral Armored Cable	Integral Armored Cable		
Electrical Connection Position	Side	Side		
Electrical Connections(Red)	X axis	X axis		
Electrical Connections(Green)	Y axis	Y axis		
Electrical Connections(White)	Z axis	Z axis		
Electrical Connections(Black)	Ground	Ground		
Cable Length	10 ft	3.0 m		
Cable Type	Polyurethane	Polyurethane	[6]	
 [7] Typical Sensitivity Deviation vs Temperature 				
<i>All specifications are at room temperature unless otherwise specified. In the interest of constant product improvement, we reserve the right to change specifications without notice.</i> ICP® is a registered trademark of PCB Group, Inc.				
SUPPLIED ACCESSORIES: Model 081A68 Captive mounting bolt 1/4-28 x .90" (1) Model ACS-2T NIST Traceable Single Point Calibration at 100 Hz for Each Axis (1)				
Entered: <i>SH</i>	Engineer: <i>JAB</i>	Sales: <i>Egy</i>	Approved: <i>HT</i>	Spec Number:
Date: <i>12-2-08</i>	Date: <i>12-1-08</i>	Date: <i>12-1-08</i>	Date: <i>12-1-08</i>	20781
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